

MISCELLANEOUS RELEASE—DATA (MRD) 372 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding:

Geological, Geochemical and Geophysical Data Related to the Eabamet Lake Area, Fort Hope–Miminiska Greenstone Belt, Northwestern Ontario

Acronyms are Used to Identify the Data Set or Information Holding: MRD372

Describe the Data Set or Information Holding:

Azar, B. (author)

This publication can be downloaded from GeologyOntario: see Distribution Information section.

This digital data release consists of geochemical data, magnetic susceptibility data, geological information, structural data and selected field photographs for the Fort Hope greenstone belt in the Eabamet Lake area, collected during the 2015 and 2016 field seasons. It includes whole-rock geochemistry (major element, trace element, rare earth element) and assay data, quality control data and field notes. These data are associated with Preliminary Maps P.3824 and P.3825. The marginal notes and the geological legend (as 2 portable document format (.pdf) files) for these Preliminary Maps are also provided, as well as other documents related to the project. Location data are provided in the Universal Transverse Mercator (UTM) projection and grid system, Zone 16, North American Datum 1983 (NAD83). This release consists of 4 Microsoft® Excel® 2013 (.xlsx) files, 147 photographs (.jpg format files), and 6 portable document format (.pdf) files.

Associated geological data are available separately as Preliminary Map P.3824, “Precambrian Geology of the Eabamet Lake Area, Fort Hope–Miminiska Greenstone Belt—North Sheet” and Preliminary Map P.3825, “Precambrian Geology of the Eabamet Lake Area, Fort Hope–Miminiska Greenstone Belt—South Sheet”.

Additional information and metadata are found within a readme file provided with the product.

The Intended Use and Purpose for Collecting the Data Set or Information Holding:

The Eabamet Lake area mapping project is part of a multi-year project known as the Fort Hope–Miminiska greenstone belt mapping project. There are several goals for this project: 1) to create a set of 1:50,000 to 1:100,000 scale bedrock geology maps for the Fort Hope–Miminiska greenstone belt; 2) to better define the stratigraphy of the greenstone belt and its correlation with other belts in the Uchi Subprovince and the McFaulds Lake (“Ring of Fire”) region using geochronology; 3) to determine the evolution of individual tectonic assemblages and the overall tectonic setting of the Fort

Hope greenstone belt during the Uchian orogeny; 4) to determine the nature of the terrane and domain boundaries to the north and south of the eastern Uchi Subprovince; and 5) to examine and, based on the above, assess the mineral potential of the eastern Uchi Subprovince.

The objective of this product is to collect and disseminate geoscience information for Ontario.

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Miscellaneous Release Data

MRD

Archean Bedrock Geology

Precambrian Bedrock Geology

Superior Province (Geological)

Greenstone

Lithogeochemistry

Geochronology

Business Theme:

Geological Survey

Geology

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 51° 58'

South Bounding Latitude: 51° 25'

West Bounding Longitude: -88° 04'

East Bounding Longitude: -87° 14'

Geographic Completeness: irregularly shaped study area - completeness not available

MAPPING INFORMATION

Grid Coordinate System Used: Universal Transverse Mercator

Map Projection: Transverse Mercator

Horizontal Geodetic Datum: NAD83

Vertical Datum: Not Applicable

Horizontal Position Accuracy of Features: +/- 10 m

Vertical Position Accuracy of Features: Not Applicable

DATA SOURCE INFORMATION

Data Source Type: Includes Bibliographic Information

Describe for the Source Data Contribution: Product includes references to other sources of information

Data Source Type: Direct Field Collection

Source Data Set Description: Field work conducted from June to August 2015, with some additional work conducted from July to August 2016.

CONTACT INFORMATION

GENERAL CONTACT:

Position: Publication Sales Representative

Language: English

Organization: Ministry of Energy, Northern Development and Mines

Organization Sub-Unit: Ontario Geological Survey

Business Phone: (705)670-5691

FAX: (705)670-5770

Internet Email Address: pubsales.ndm@ontario.ca

ADDRESS:

Street No: 933

Street Name: Ramsey Lake Road

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Country: CANADA

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Other Contact Method: Toll Free Number (Canada & USA): 1-888-415-9845 x5691

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Position: Publication Sales Representative

Language: English

Organization: Ministry of Energy, Northern Development and Mines

Organization Sub-Unit: Ontario Geological Survey

Business Phone: (705)670-5691

FAX: (705)670-5770

Internet Email Address: pubsales.ndm@ontario.ca

ADDRESS:

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AUTHOR - ORIGINATOR / DATASET CUSTODIAN:

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